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Model #: SMART750XLA

SmartPro Expandable Tower UPS System- Intelligent, line-interactive network power management system



Highlights

- 750VA line interactive, extended-run tower UPS for networks
- Maintains user selectable sine-wave 120, 110 or 100V nominal output
- Simultaneous communications via SNMPWEBCARD slot, DB9 serial and HID enabled USB ports
- Free PowerAlert UPS monitoring software and cabling
- Input: NEMA 5-15P (120V 15A) / Output: 8 NEMA 5-15R (120V)
- 2 year product warranty / \$250,000 [Ultimate Lifetime Insurance](#) (USA, Puerto Rico & Canada only)

Description

750VA line-interactive tower UPS system for server, networking and telecommunications equipment. Supports extended runtime with optional BP24V28-2U and BP24V70-3U external battery packs. Compatible with 120V, 110V or 100V nominal voltage at 60Hz. Switches to battery-derived AC output during power failures and extreme voltage variations. Line-interactive automatic voltage regulation (AVR) provides voltage boost during brownouts and voltage cut during overvoltages to maintain regulated output during brownouts and overvoltages. Includes NEMA 5-15P input plug and 8 NEMA 5-15R output receptacles. Network-grade AC surge and noise suppression. Network management via USB port, DB9 serial port and SNMPWEBCARD slot. HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X. Supports detailed monitoring of equipment load levels, self-test data and utility power conditions via all 3 network interfaces at once. Includes PowerAlert monitoring software and complete cabling. Features 3-stage load current monitoring and battery charge status, plus line power and voltage boost/cut status LEDs. Dateline surge suppression protects dialup, DSL or network Ethernet connection. Audible alarm. Self-test. Field replaceable, hot-swappable internal batteries and external battery packs. Attractive all-black color scheme. Two-year warranty and \$250,000 [connected equipment insurance](#), extended warranty and service contracts available.

Applications

- Ideal for the protection of network file servers, internetworking gear, switches, hubs, POS terminals, VOIP telephony and traditional PBX switching systems, back office computer systems, ATM machines, informational/internet/commerce kiosks, remote unattended servers, web servers, database servers, security systems, card readers, security cameras and other sensitive electronic devices requiring clean, continuously-regulated output power.

Package Includes

- SMART 750XLa UPS System
- PowerAlert Software CD-Rom
- USB and serial cabling
- User manual with warranty information

Features

- SmartPro line-interactive UPS system is ideal for voice, data, medical and industrial networking applications
- Large internal batteries offer 27 minutes at half load (375VA/250W) and 10 minutes at full load (750VA/500W)
- Runtime is expandable with optional BP24V28-2U (limit 1) and BP24V70-3U (no limit) external battery packs

- Line-interactive automatic voltage regulation (AVR) maintains selectable 120V, 110V or 100V nominal output during brownouts as low as 83V and overvoltages to 145V
- Network interfaces support simultaneous communications via built-in USB port, DB9 serial port and SNMPWEBCARD slot
- HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X
- Included PowerAlert UPS monitoring software supports safe unattended shutdown, monitoring and control via local connected servers, plus any number of additional servers over IP
- UPS interface supports on-battery, low-battery, power-restored, AC-voltage, DC-voltage, output current monitoring, battery charge current, battery capacity, timed inverter sutoff, activate self-test and output power control
- NEMA 5-15P input plug; 8 battery-supported NEMA 5-15R output receptacles
- Dataline surge suppression protects dialup, DSL or network Ethernet connection
- Front panel LEDs offer current monitoring, voltage regulation and battery charge level information
- UPS ships fully assembled in full compliance with DOT regulations; no time-consuming connection of internal batteries by user required
- 2-year warranty; \$250,000 [Ultimate Lifetime Insurance](#) (USA & Canada only)

Specifications

SYSTEM OVERVIEW	
Voltage compatibility	120V (110, 100V user selectable)
Frequency compatibility	60 Hz
OUTPUT	
Output VA	750
Output watts	500
Output nominal voltage	120, 110, 100V AC
Output voltage regulation	LINE MODE: Sine wave line voltage 120V (+6%, -10%), 110V (+6%, -10%), 100V (+6%, -10%), BATTERY MODE: Sine wave output 120V, 110V, 100V (+/-5%)
Output frequency regulation	LINE MODE: Passes line frequency of +/-10% BATTERY MODE: Inverter output regulated to 60Hz (+/- 1Hz)
Outlet quantity / type	8 NEMA 5-15R
INPUT	
Maximum input amps	5.4A (120V), 5.8A (110V), 6.4A (100V)
Input connection type	NEMA 5-15P
Input cord length	6 ft.
Recommended Electrical Service	120V 15A
BATTERY	
Full load runtime	10 minutes (500w) expandable
Half load runtime	27 minutes (250w) expandable
Expandable battery runtime	Runtime is expandable with BP24V28-2U (limit 1) or BP24V70-3U (multi-pack compatible)
DC system voltage	24VDC
Battery recharge rate	4.5 hour recharge to 90% (max)
Replacement Battery Cartridge	RBC24-SLT
VOLTAGE REGULATION	
Voltage regulation description	Automatic Voltage Regulation (AVR) circuits maintain clean, regulated computer-grade 120, 110, 100V nominal output, without using battery power, during brownouts 95V (120V), 87V (110V), 83V (100V)
Overvoltage correction	Input voltages between 127 and 145V (120V), 116 and 133 (110V), 111 and 121 (100V) are reduced by 12%
Brownout correction	Input voltages between 95 and 108 (120V), 87 and 99 (110V), 83 and 93 (100V) are boosted by 14%
LEDS ALARMS & SWITCHES	

Front panel LEDs	Includes front panel LEDs to indicate line / battery power status, over / under voltage correction, battery charge level, load percentage, overload, wiring fault and replace battery.
Alarms	Audible alarm warns of power failure condition
Switches	Includes two pushbutton switches for on/off power control and self-test/ alarm cancel functions. Also includes two dipswitch controls for setting the nominal voltage
SURGE / NOISE SUPPRESSION	
AC surge suppression	570 joules
AC suppression response time	Instantaneous
Dataline suppression	Includes 8-wire RJ45 jack; pins 1, 2, 3 and 6 provide 10baseT Ethernet line surge suppression with 7.5V clamping; pins 4 and 5 provide single-line tel/DSL line surge suppression starting at 260V
EMI / RFI AC noise suppression	Yes
PHYSICAL	
Shipping weight (lbs)	37
Shipping weight (kg)	16.8
Shipping Dimensions (HWD/in)	13 x 10 x 23.75
Shipping Dimensions (HWD/cm)	33 x 25.4 x 60.3
Unit weight (lbs)	33.9
Unit weight (kg)	15.4
Unit Dimensions (HWD/in)	10.1 x 6.7 x 13.8
Unit Dimensions (HWD/cm)	25.7 x 16.9 x 35.1
Material of construction	Steel
Form factors supported	Tower
Cooling method	Fan
Battery Access	Supports battery access and hot-swap replacement without powering connected equipment off
ENVIRONMENTAL	
Relative Humidity	0 to 95%, non-condensing
COMMUNICATIONS	
Network monitoring port	Includes 2 built-in monitoring ports, 1 USB and 1 DB9. Each supports on battery, low battery, power restored, AC line voltage, DC battery voltage, load percentage, battery charge current, battery capacity and line frequency status messaging.
Software and cabling included	Includes PowerAlert UPS monitoring software for all common network and stand-alone operating systems. Ships with 2 cables, 1 USB and 1 DB9
SNMP compatibility	SNMP adapter accessory # SNMPWEBCARD
WatchDog compatibility	Compatible with Tripp Lite's WatchDog Software to restore operation to locked equipment through soft reboot of application/OS or hard power off/on reboot of connected equipment; ideal for unattended kiosk applications
LINE / BATTERY TRANSFER	
Transfer time from line power to battery mode	4 milliseconds (typical)
Low voltage transfer to battery power	Switches to battery power as line voltage decreases to 95V (120V), 87V (110V) , or 83V (100V) or less. Resets back to line power mode as line voltage increases to 100V (120V), 92V (110V), or 87V (100V) or higher

High voltage transfer to battery power	Switches to battery power as line voltage increases to 145V (120V), 133V (110V), and 121V (100V) volts or higher. Resets back to line power mode as line voltage decreases to 141 (120V), 129 (110V), or 118V (100V) or less
SPECIAL FEATURES	
Cold Start	Yes, inverter can be "cold started" to enable temporary AC output during a power failure by pressing and holding the POWER ON button for longer than 1 second.
Appearance	Attractive all-black tower UPS
BATTERY PACK ACCESSORY (optional)	
Battery Pack Accessory (optional)	BP24V28-2U (limit 1), BP24V70-3U (multi-pack compatible)
CERTIFICATIONS	
Certifications	Tested to UL1778 (USA), CSA (Canada), RoHS Compliant, Class B (Emissions), NOM (Mexico), FCC Part 68 / Industry Canada (telecommunications)
WARRANTY	
Product Warranty Period	2 years
Connected Equipment Coverage	\$250,000
Optional Coverage	3-5 year warranties, plus next day and on-site warranty coverage available for select opportunities. Contact Tripp Lite for additional information

Related Items

Extended Warranties		
WEXT3-500-1500	3-Year Extended Warranty - 1-year extension of standard 2-year warranty	Qty: [optional]
WEXT5-500-1500	5-Year Extended Warranty - 3-year extension of standard 2-year warranty	Qty: [optional]
External Battery Packs		
BP24V28-2U	External Battery Pack for UPS System	Qty: [optional]
BP24V70-3U	External Battery Pack for UPS System	Qty: [optional]
BP24V15RT2U	External Battery Pack for UPS System	Qty: [optional]
Power Distribution		
PDU1215	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	Qty: [optional]
SNMP Accessories		
ENVIROSENSE	Power Management Tools - Environmental Sensor	Qty: [optional]
SNMPWEBCARD	Power Management Tools - Internal SNMP/Web Card	Qty: [optional]
Surge Protectors		
DTEL2	Network Surge Suppressor - Essential protection for data and communication lines	Qty: [optional]
DNET1	Network Surge Suppressor - Essential protection for data and communication lines	Qty: [optional]
DCATV	Network Surge Suppressor - Essential protection for TV/VCR coaxial lines	Qty: [optional]
USB Hubs/Accessories		
U022-010	USB Cable - 10-ft. USB 2.0 AB Gold Device Cable	Qty: [optional]

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/en/products/model.cfm?txtModelID=3820.